



CASE HC/1-22926/A/PCT

HPV

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Lynn Girolamo
Type or print name

Lynn Girolamo
Signature

7/12/06
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

Group Art Unit: 1645

VICTOR PAUL ELIU ET AL

Examiner:

INTERNATIONAL APPLICATION NO. PCT/EP 04/051481

FILED: JULY 14, 2004

FOR: CATIONIC DIRECT DYES

U.S. APPLICATION NO: 10/565,137

35 USC 371 DATE: JANUARY 19, 2006

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

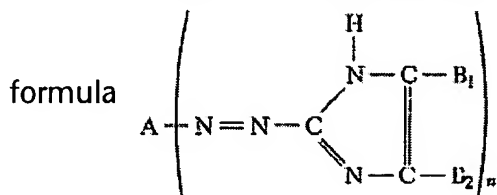
In accordance with 37 CFR 1.56, Applicants wish to call the Examiner's attention to the references cited on the attached forms PTO-1449. A copy of the International Search Report was supplied when this application entered the U.S. national phase, however, a copy of the British Search Report is attached herewith.

The International Search Report indicates that U.S. 5,708,151 is a substantively cumulative English language counterpart of EP 1 219 683.

There are three German references and one article cited that have no U.S. equivalents as well as no abstracts available, we enclose herewith short summaries of each for the Examiner's convenience:

(DE 11 37 816)

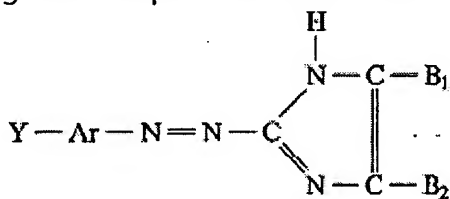
discloses a method for the preparation of azo compounds of



wherein n is 1 or 2, A, if n = 1, A is the monovalent and if n = 2, A is the bivalent radical of an aromatic diazotizable amine or a tetradiazotizable amine, and B₁ and B₂ are hydrogen, alkyl, cycloalkyl, aralkyl and/or aryl or are members of a common non-aromatic ring,

which method comprises treating azo compounds which have no sulfonic acid group

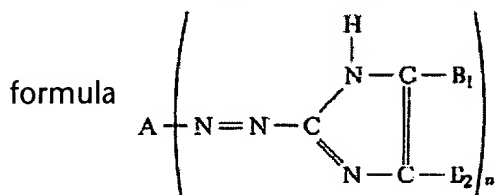
and correspond to the formula



wherein B₁ and B₂ have the above defined meaning, Ar is an optionally substituted o- or p-aryl radical of benzene or naphthalene, and Y is a substituent which may be separated, with alkylating agents and reacting the obtained color-salts with primary or secondary aliphatic, araliphatic or, preferably non-aromatic heterocyclic amines preferably in the presence of oxidizing agents.

(DE 10 98 642)

discloses a method for the preparation of cationic dyes which are N,N'-alkylated in the imidazole radical, which comprises reacting compounds of



which have no sulfonic acid groups, wherein n is 1 or 2, if n = 1 a is the monovalent and if n = 2 the bivalent radical of an aromatic diazotizable amine or a tetradiazotizable amine, and B₁ and B₂ are hydrogen, alkyl, cycloalkyl, aralkyl and/or aryl or are members of a common non-aromatic ring, with alkylating agents.

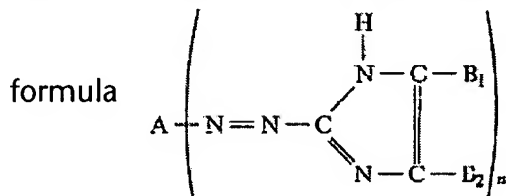
Chimia, 1961, 15(1), p. 163-168

discloses new methods for the preparation of diaza styryl dyes.

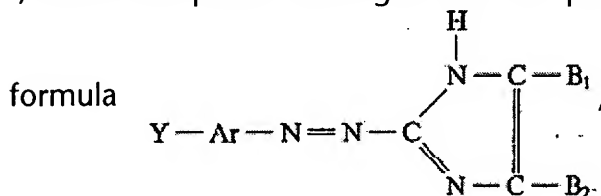
Disclosed are also diaza compounds of formulae X (p. 164) and XVII (Table 1 on p. 165).

(DE 1 137 815)

discloses a method for the preparation of cationic dyes of



wherein n is 1 or 2, A, if n = 1 is the monovalent and if n = 2 A is the bivalent radical of an aromatic diazotizable amine or a tetradiazotizable amine, and B₁ and B₂ are hydrogen, alkyl, cycloalkyl, aralkyl and/or aryl or are members of a common non-aromatic ring, which comprises treating an azo compound of



which have no sulfonic acid groups, and wherein B₁ and B₂ have the above defined meaning, Ar is an optionally substituted o- or p-aryl radical of benzene or naphthalene, and Y is a substituent which may be separated, with alkylating agents and reacting the obtained color-salts with primary or secondary amines or N-substituted acid amines.


Copies of the non-U.S. references (that do not have U.S. equivalents) and/or English language abstracts thereof are enclosed herewith.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 forms.

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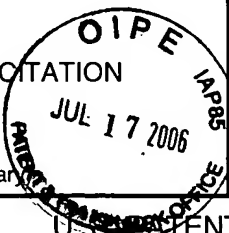
Encls.: GB Search Report, PTO 1449 Forms and 9 Refs.

Respectfully submitted,


Tyler A. Stevenson
Agent for Applicants
Reg. No. 46,388

JUL 13 2006

FORM PTO-1449			Docket Number (Optional) HC/1-22926/A/PCT		Application Number 10/565,137	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)			Applicant VICTOR PAUL ELIU ET AL		Group Art Unit 1645	
			Filing Date JANUARY 19, 2006			



PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,708,151	1/98	Möckli	534	608	
	4,294,756	10/81	Kühlthau	260	163	
	4,067,973	1/78	Budde et al.	424	226	
	4,079,130	3/78	Abdallah et al.	424	226	
	3,173,907	3/65	Klingsberg et al.	260	157	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	1 219 683	7/02	Europe				
	1 166 752	1/02	Europe			Abstr.	
	1 137 816	10/62	Germany				
	1 098 642	2/61	Germany				
	885 046	12/61	Great Britain				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)	
	English language abstract for EP 1 166 752 printed from esp@cenet.com on 7/13/06.
	Von H. Baumann et al., Chimia Vol. 15, pgs. 163-168 (1/1961).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number (Optional) HC/1-22926/A/PCT	Application Number 10/565,137
	Applicant VICTOR PAUL ELIU ET AL	
	Filing Date JANUARY 19, 2006	Group Art Unit 1645

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	2 032 447	5/80	Great Britain				
	2 029 439	3/80	Great Britain				
	1 137 815	10/62	Germany				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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